

Datasheet for ABIN7274000  
**BTLA Protein (AA 30-176) (His tag)**

## 2 Images

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## Overview

Quantity:	100 µg
Target:	BTLA
Protein Characteristics:	AA 30-176
Origin:	Mouse
Source:	HEK-293 Cells
Protein Type:	Recombinant
Purification tag / Conjugate:	This BTLA protein is labelled with His tag.

## Product Details

Purpose:	Mouse BTLA Protein
Sequence:	Glu30-Gly176
Characteristics:	Recombinant Mouse BTLA Protein is expressed from HEK293 with His tag at the C-Terminus. It contains Glu30-Gly176.
Purity:	> 95 % as determined by Tris-Bis PAGE, > 95 % as determined by HPLC
Sterility:	0.22 µm filtered
Endotoxin Level:	Less than 1EU per µg by the LAL method.

## Target Details

Target:	BTLA
Alternative Name:	BTLA ( <a href="#">BTLA Products</a> )

## Target Details

Background:	B- and T-lymphocyte attenuator (BTLA, CD272) is a 35 kDa type I transmembrane glycoprotein in the CD28 family of T cell costimulatory molecules. BTLA is a inhibitory receptor on lymphocytes that negatively regulates antigen receptor signaling via PTPN6/SHP-1 and PTPN11/SHP-2. BTLA may interact in cis (on the same cell) or in trans (on other cells) with TNFRSF14.
Molecular Weight:	17.8 kDa. Due to glycosylation, the protein migrates to 35-50 kDa based on Tris-Bis PAGE result.
UniProt:	<a href="#">Q32MV9</a>
Pathways:	<a href="#">Cancer Immune Checkpoints</a>

## Application Details

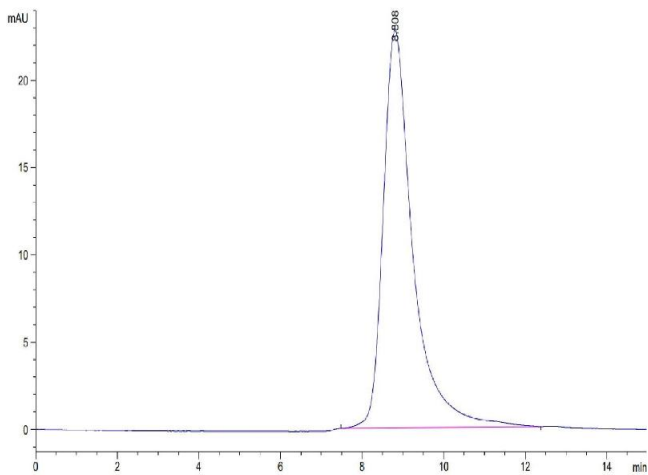
Restrictions:	For Research Use only
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## Handling

Format:	Lyophilized
Reconstitution:	Centrifuge the tube before opening. Reconstituting to a concentration more than 100 µg/mL is recommended. Dissolve the lyophilized protein in distilled water.
Buffer:	Lyophilized from 0.22µm filtered solution in PBS ( pH 7.4). Normally 8 % trehalose is added as protectant before lyophilization.
Storage:	-20 °C,-80 °C
Storage Comment:	-20 to -80°C for 12 months as supplied from date of receipt., -80°C for 3-6 months after reconstitution., 2-8°C for 2-7 days after reconstitution., Recommend to aliquot the protein into smaller quantities for optimal storage. Please minimize freeze-thaw cycles.
Expiry Date:	12 months

Size-exclusion chromatography-High Pressure Liquid Chromatography

**Image 1.** The purity of Mouse BTLA is greater than 95 % as determined by SEC-HPLC.



SDS-PAGE

**Image 2.** Mouse BTLA on Tris-Bis PAGE under reduced condition. The purity is greater than 95 % .

